# Jie Bao 🔗

## Personal Information

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| ADDRESS: | Montreal, Quebec, Canada |
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**Jie is a professional data engineer and part-time student at MILA. Lifelong learning :)**

## Computer Skills

PYTHON, TENSORFLOW, MATLAB, LINUX, SQL, SOURCE CODE CONTROL - GIT, $\LaTeX$

## Education

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| CURRENT | **Mila - Université de Montréal**, Montreal, Quebec, Canada<br>Computer Science Master Student (Part-time)<br>*Data Science, Big Data, Computer Graphics and Reinforcement Learning* |
| 2015 - 2021 | **Concordia University**, Montreal, Quebec, Canada<br>Thesis: Deep Learning for Turbulence Modeling<br>*Master of Applied Science*, GPA: 4.0/4.3<br>*Bachelor of Engineering, Aerospace Engineering*<br><br>Applied Machine Learning - COMP551 (McGill Campus IUT), *Grade: A* |

## Work Experience

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| CURRENT | **Data Engineering Specialist I**, CAE<br>*DnAI - MDA* |
| 2021 | **Flightlink Engineer**, AIRBUS<br>*A220 - Skywise*<br><br>Analyze and create test reports. Follow-up with clients and suppliers. Data analytics for predictive maintenance using Python(Tensorflow). Build analytical dashboards on A220 fleet performance metrics. Such as fleet availability statistics for other engineering groups. |
| 2019-2021 | **Graduate Student Researcher**, COMPUTATIONAL AEROSPACE LAB<br>*Turbulence Modeling Technique using Machine Learning Techniques*<br><br>Performed feature quality analysis using algorithm such as Relief. Data cleaning, acquisition and analysis using Matlab and Python. Created an end-to-end ML training pipeline for turbulent production and dissipation values. Achieved over 90% $R^2$ accuracy. Currently, working on analysing the NACA 0012 airfoil. Check out the progress on website and my other works. |

## Languages

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| FRENCH:, ENGLISH:, CHINESE (MANDARIN): | Fluent |
| GERMAN: | Basic Knowledge |

## Interests and Activities

World History, Current World Affairs, Avid Tennis player, Running, Programming